

CLAIMS

1. A heat exchanging system of a ventilating device comprising:
a heat exchanging housing communicating with an outdoor air passage
5 and an indoor air passage;
a rotational shaft rotatably supported at one side of the case of a ventilating device; and
a heat exchanging elements mounted at an outer circumferential surface of the rotational shaft at regular intervals, and performing a heat-exchanging
10 operation of outdoor air and indoor air while being rotated by a blow force of outdoor air passing the outdoor air passage and a blow force of indoor air passing the indoor air passage.
2. The heat exchanging system of claim 1, wherein a hub is
15 formed at an outer circumferential surface of the rotational shaft, in which an inner surface of the heat exchanging elements is mounted.
3. The heat exchanging system of claim 2, wherein the heat exchanging elements are mounted at the outer circumferential surface of the
20 hub at regular intervals and formed with a curved surface.
4. The heat exchanging system of claim 1, wherein a support rib is mounted at an outer circumferential surface of the heat exchange element in

order to support so that the heat exchanging elements are arranged at regular intervals.

5 5. The heat exchanging system of claim 1, wherein the inner side of the curved heat exchanging elements faces the direction that outdoor air flows and the direction that indoor air flows.

 6. The heat exchanging system of claim 5, wherein, the heat exchanging element is made of nonwoven fabric.